PATENT COOPERATION TREATY

PCT

REC'D 17 SEP 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORT WIPO

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(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT 21127	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)				
	16 December 2003 (16.12.2003)	20 December 2002 (20.12.2002)				
PCT/US03/40129 International Patent Classification (IPC)		20 2000000 2002 (2012:2002)				
IPC(7): C07D 271/06 and US Cl.: 548/31						
Applicant						
MERCK & CO. INC.						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of sheets, including this cover sheet. 						
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of	a total of sheets.					
3. This report contains indic	ations relating to the following	items:				
I Basis of the rep	oort	·				
II Priority						
III Non-establishm	ent of report with regard to no	velty, inventive step and industrial applicability				
IV Lack of unity of	f invention					
1 — -						
1 =						
Date of submission of the demand	Date	e of completion of this report				
16 July 2004 (16.07.2004)		eptember 2004 (01.09.2004)				
Name and mailing address of the IPEA/US		norized officer				
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		norized officer nal Saeed, Ph.D. phone No. (571) 272-1600				
P.O. Box 1450 Alexandria, Virginia 22313-1450		phone No. (571) 272-1600				
Facsimile No. (703)305-3230 Form PCT/IPEA (409 (cover sheet) (fully 1998)						

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/40129	

Ţ	Ragio	s of the report				
	Basis of the report With regard to the elements of the international application:*					
•	the international application as originally filed.					
	\bowtie					
		the description: pages 1-61 as originally filed				
		pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
	\square	the claims:				
		pages 62-82 , as originally filed				
		pages NONE , as amended (together with any statement) under Article 19				
		pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
		the drawings:				
	لـــا	pages NONE , as originally filed				
		pages NONE , filed with the demand				
		pages NONE , filed with the letter of				
		the sequence listing part of the description:				
ļ		pages NONE , as originally filed				
		pages NONE , filed with the demand				
ı		pages NONE , filed with the letter of				
2	2. Wit	h regard to the language, all the elements marked above were available or furnished to this Authority in the				
	lang	guage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:				
	The					
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
		the language of publication of the international application (under Rule 48.3(b)).				
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).					
:	3. Wit	th regard to any nucleotide and/or amino acid sequence disclosed in the international application, the emational preliminary examination was carried out on the basis of the sequence listing:				
		contained in the international application in printed form.				
	filed together with the international application in computer readable form.					
١	furnished subsequently to this Authority in written form.					
l		furnished subsequently to this Authority in computer readable form.				
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
	The statement that the information recorded in computer readable form is identical to the written sequence listin has been furnished.					
١	4. 🛛	The amendments have resulted in the cancellation of:				
		the description, pages <u>none</u>				
ı		N 7				
		the claims, Nos. <u>none</u>				
		the drawings, sheets/fig none				
	5	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). **Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
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	n-establishment of opinion with regard to novelty, inventive step and industrial applicability					
1. The question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:						
	the entire international application,					
\boxtimes	claims Nos. <u>1-23 and 25-42</u>					
becau	because:					
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):					
	·					
	'					
	•					
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):					
	·					
K-21						
X	the claims, or said claims Nos. 1-23 and 25-42 are so inadequately supported by the description that no meaningful opinion could be formed.					
	no international search report has been established for said claims Nos					
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
	the written form has not been furnished or does not comply with the standard.					
	the computer readable form has not been furnished or does not comply with the standard.					

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v.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	STATEMENT	1			
	Novelty (N)	Claims	24YES		
	Novely (11)	Claims	NONE NO		
	Inventive Step (IS)	Claims	24 YES		
	mvenave step (15)	Claims	NONE NO		
	Industrial Applicability (IA)	Claims	24 YES		
	industrial reprincedition (2.3)	Claims	NO		

2. CITATIONS AND EXPLANATIONS

The invention relates to 1,2,4-oxa-diazole compounds. Considering the prior art cited (US 6,495,578 B1) in the international search report claims 1-16 of this invention are novel. The closest prior art of record, is US 6,495,578 teach 1,2,4-oxadiazole compounds that have different substituents than the compounds described in this application. Claim 24 meet the criteria set out in PCT Article 33(2)-(4), because the prior art do not teach or fairly suggest the thiadiazole derivatives described in this application.

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